

Evaporation



Experiment

KEY CONCEPTS/VOCABULARY (What you need to know)

- evaporation: when a liquid warms and the water in it becomes water vapor (a gas) and escapes into the air
- observation: something you saw, heard or noticed
- hypothesis: an educated guess as to what will happen in an experiment

QUESTION (What you want to learn and what to ask the children)

These questions should be asked in order so that children learn that a hypothesis is a guess about what will happen in the experiment. This expands their science vocabulary.

- What will happen if we paint on construction paper with the salt water and let it dry? What is your hypothesis or guess?

EXPERIMENT

Materials (What you need)

Construction paper, water, salt, small sturdy cups, paint brushes

Procedures (What to do)

- Put several spoonfuls of salt into small cup of water and stir
- Ask the Questions and listen to their hypotheses
- Allow the children to paint on construction paper with the solution
- Allow paper to dry
- Show the children the dried papers

CONCLUSION

Results (What happened?)

- The water evaporated—it warmed, turned into vapor (gas) and went back into the air
- The salt remained on the paper
- Salt is a solid, it doesn't evaporate

ANOTHER VARIATION

Before this experiment, you could introduce evaporation to the children by painting with water on a chalkboard and letting it dry